The ILLINOIS RIVER: Federal focus & vision panel

October 5, 2005

by

Gary loss, p.e.

Deputy for programs & project management,
rock island district, U.S. Army corps of engineers

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U.S. Army Corps of Engineers

The Corps' mission:

- Water Resources Development
- Environment
- Infrastructure
- Disasters
- Warfighting

OUR MISSION
PEACE
WAR
SPECTRUM OF USACE OPERATIONS
Water Resources
Environment
Infra-structure
Disasters
Warfighting
Creating synergy between water resource development and environment
Restoring, managing and enhancing ecosystems, local and regional
Building and sustaining the critical facilities for military installations and the public
Responding to local, national and global disasters
Providing full spectrum engineering and contingency support

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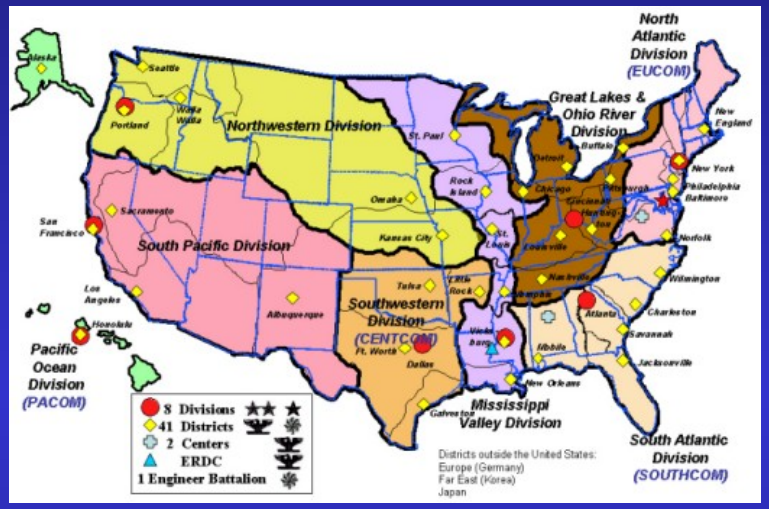
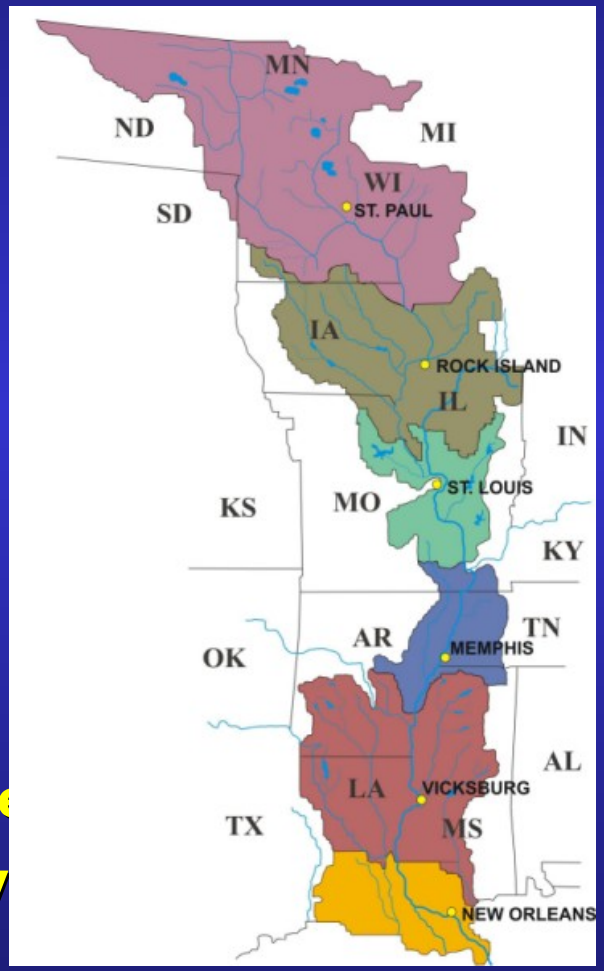
Mississippi Valley Division





- **Six districts**
- **5,000+ employees**
- **370,000 square mile boundary, encompassing all or parts of 12 state**
- **4,267 miles of commercial waterway**
- **44 flood control lakes/reservoirs**

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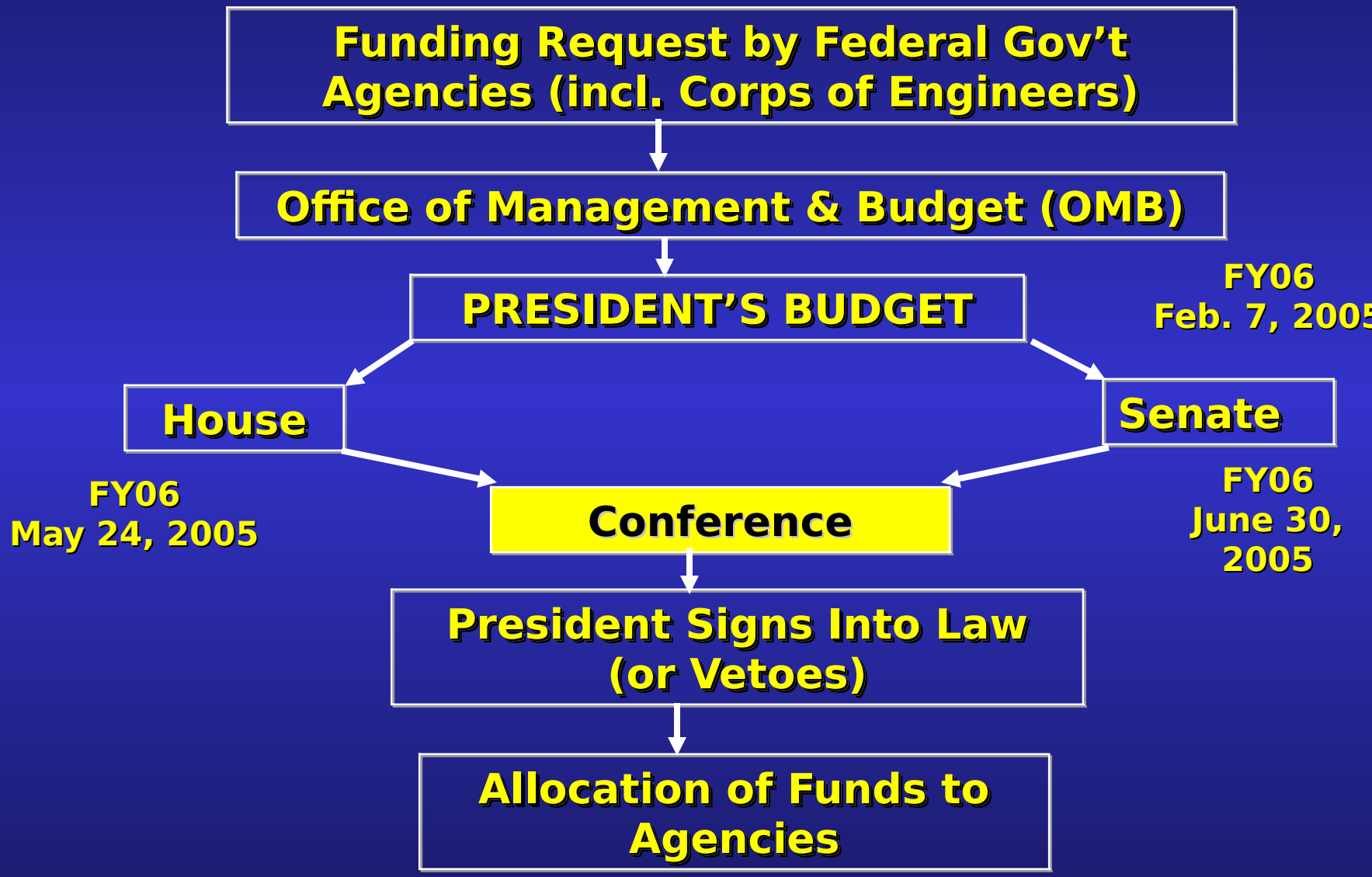
Rock Island District

- Primarily a civil works district
- 78,000 square miles
- Portions of 5 states
- Operate 582 miles of 9-foot navigation channel
- 20 lock and dam sites
- 5 flood control reservoirs

Basic Budget & Appropriations Process



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Status of the Water Resources Development Act

House passed on July 14

Senate Env. & P.W. Comm. passed on July 1

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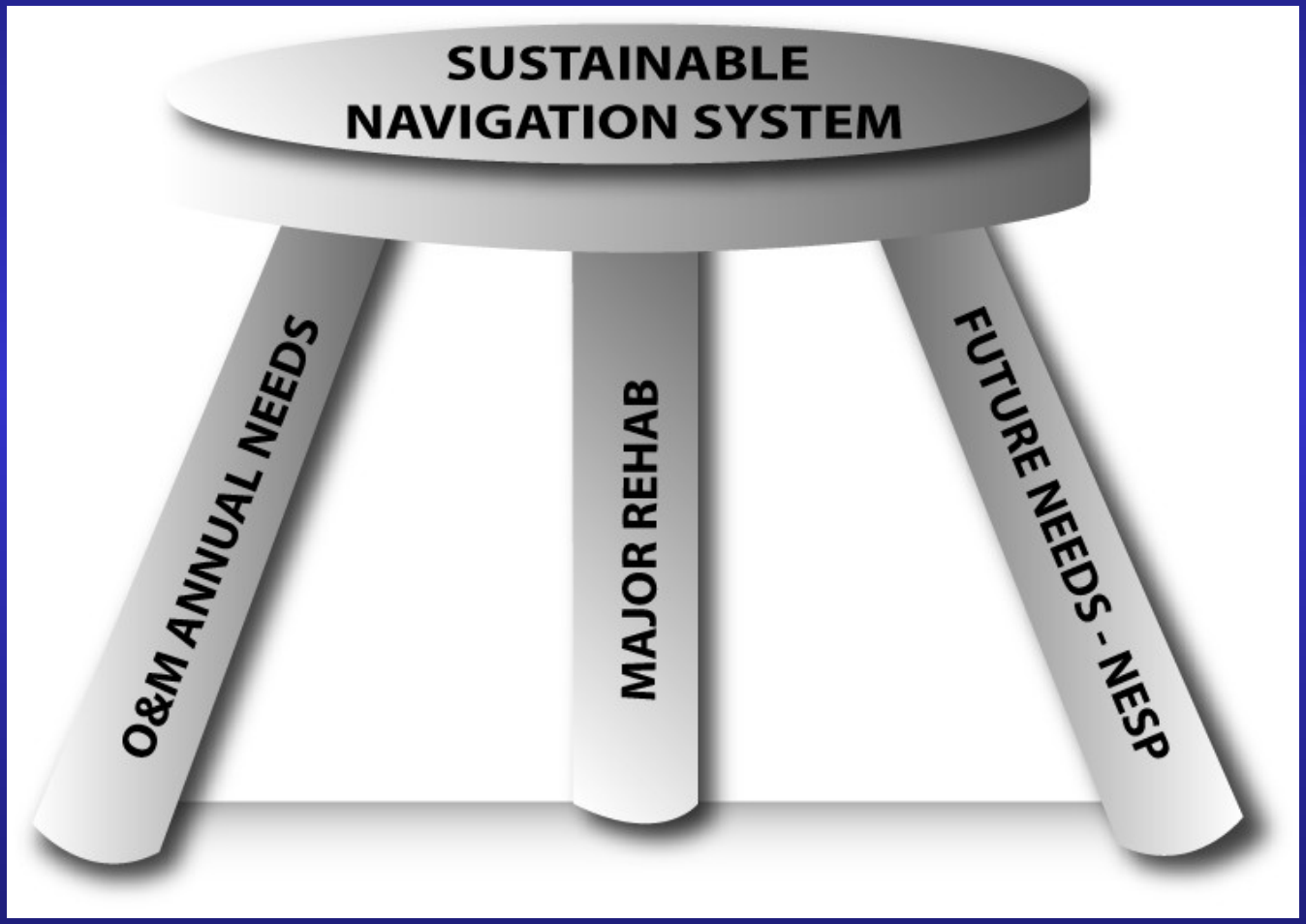

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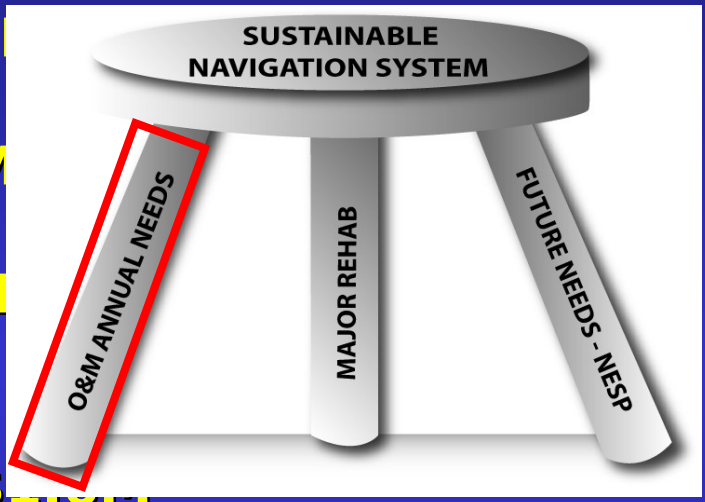
FY2006 Illinois Waterway Project President's Budget -- $24,702K

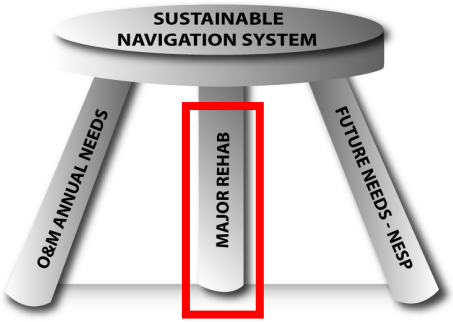
Project basic service shortfall of $3.9

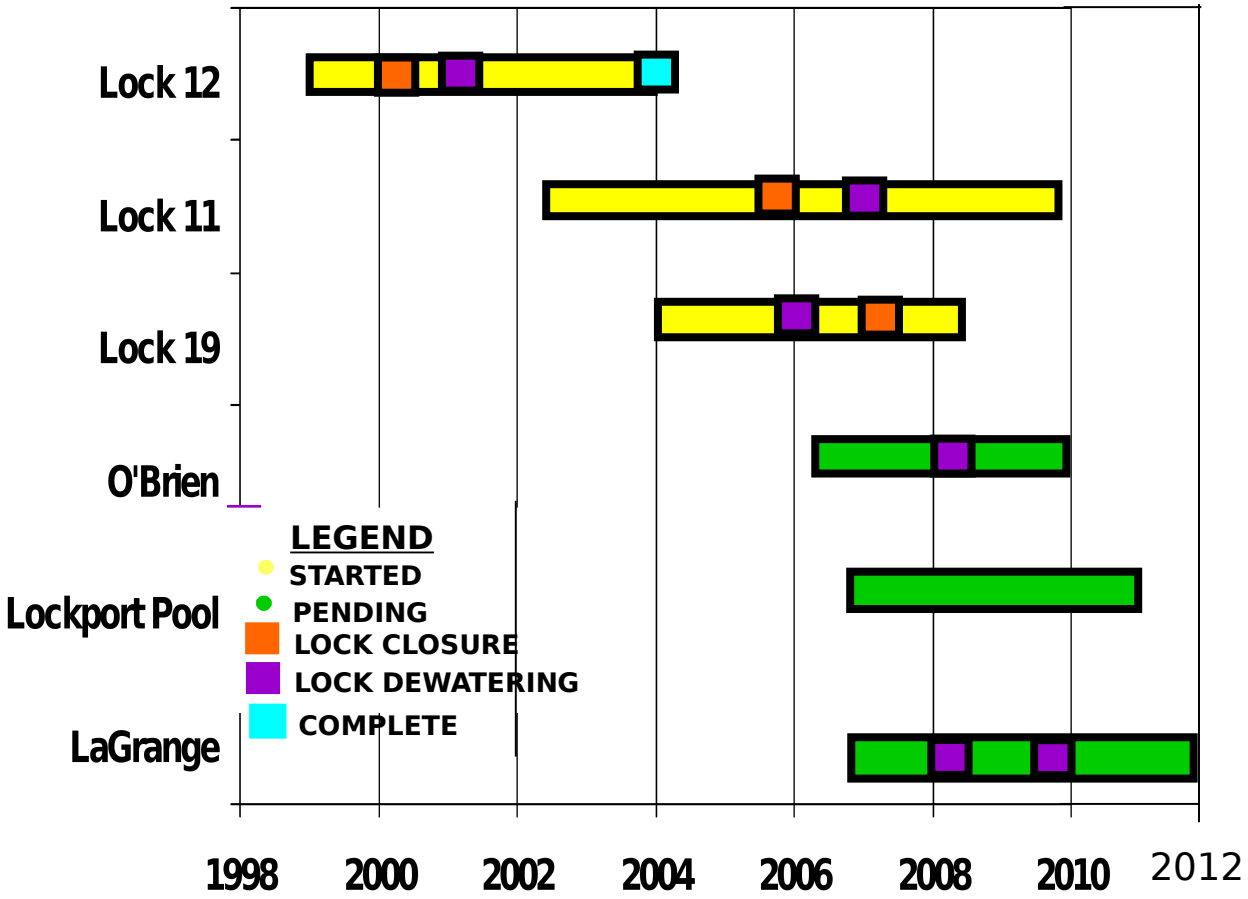
Additional repair capability of $10.3M

- **Peoria wicket lifter -- $800K**
- **Peoria lock hydraulic repairs -- $3.1**
- **DMMP plans & specs -- $1.5M**
- **Dredging -- $1M**
- **Lockport approach dike repairs -- $**
- **Major maintenance at O'Brien & Lockport locks -- $700K**
- **Lucas Berg CDF EIS -- $100K**
- **Interim security measures -- $1.5M**



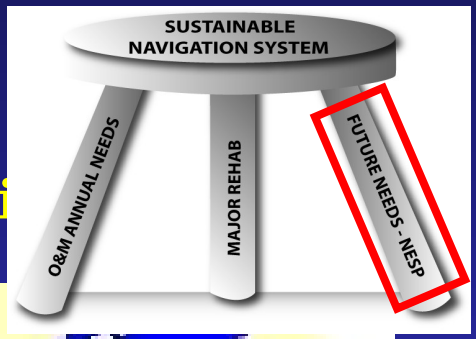
Current Major Rehabilitations
Upper Mississippi River
& Illinois Waterway





L&D 11 Rehab Cycle Extended Due to Funding Constraints.

Upper Mississippi River-Illinois Waterway System Navigation Study
Now: Navigation & Ecosystem Sustainabili



Program Area

- 37 Lock Sites
- 1,200 Miles of River

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Scope Of Study

Focus on authorized federal navigation projects & the ecological & floodplain resources that are affected by these projects.

Original study
(1993-2000) → **Relieve congestion.**

Restructured study
(2001-2004) → **Relieve congestion.**

→ **Achieve environmental sustainable system.**

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FY05 Implementation Plan

- Work allowance $11.3M (Congressional Add)
- 32 new projects
- Programmatic projects (5) $1.9M
- Navigation efficiency projects (8) $4.8M
- Primary activities focused on:

  Decision documents (planning)
  Engineering and design
  Collection of pre-project monitoring data
  Site specific evaluations
  Public meetings

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Recommended Navigation Efficiency Improvements

$2.03 Billion in first 15 years (CG/IWTF)

- Mooring facilities @ locks 12, 14, 18, 20, 22, 24 & LaGrange*
- Switchboats @ locks 20-25*
- Adaptive implementation of 1200’ chambers at locks 20-25 (22*, 25*), LaGrange* & Peoria
- Mitigation for site specific & system effects
- Continued study & monitoring

* Initiate in FY05

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Ecosystem Restoration Implementation

$1.58 Billion In First 15 Years

- Fish passage @ dams 4, 8, 22* & 26*
- Changes in water level control @ dams 25 and 16 (25*)
- Adaptive implementation of 225 small projects of less than $25 million each
  - Island building*
  - Water level management*
  - Backwater/side channel restoration*
  - Wing dam/dike alterations*
  - Island shoreline protection*
- 35,000 acres of floodplain restoration
- Continued study & monitoring

* Initiate in FY05

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Upper Mississippi River-Illinois Waterway System Navigation Study

Now: Navigation & Ecosystem Sustainability Program

Authorization Status:

- House & Senate WRDA language both authorize construction of navigation improvements & ecosystem restoration.

FY06 Appropriations Status:

- Senate version has $20M to continue work in FY06.

Collaboration by National Leaders Concerning the Upper Mississippi River Basin (UMRB) …

Collaboration by Regional Leaders Concerning the UMRB…

REGIONAL PRINCIPALS GROUP (Federal)

FEDERAL PRINCIPALS GROUP (National)

UMRBA (States)

REGIONAL PRINCIPALS GROUP (States)

UMRS System Planning … Operational Level

COMMUNICATION PANEL

RIVER COUNCIL

ENVIRONMENT

NAVIGATION

WORK GROUP for LTRM

ENVIRONMENTAL SCIENCE PANEL

NAVIGATION SCIENCE PANEL

UMRS Reach Planning … Operational Level

RIVER RESOURCES FORUM (RRF) — WORK GROUPS

RIVER RESOURCES COOR TEAM (RRCT) — WORK GROUPS

RIVER RESOURCES ILLINOIS TEAM (RRIT) — WORK GROUPS

RIVER RESOURCES ACTION TEAM (RRAT) — WORK GROUPS

Information is shared among components of institutional arrangements.

Connecting lines represent communication channels, not lines of authority.

COMPONENTS OF INSTITUTIONAL ARRANGEMENTS FOR THE UMRS

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Illinois River Restoration Activities

Section 216

- Original authority to study the Illinois River watershed.
- It does not allow us to construct anything.

Section 519

- It not only studies the river and its watershed, but also allows for the construction of critical restoration projects.

Peoria Riverfront

- This is a specific project to create three islands in the river.
- One of the islands will be constructed under the Section 519 authority.

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Illinois River Basin Restoration, Section 519

Authorization – WRDA 2005:

House

- Extends Authorization thru 2010
- In-Kind limited to "not more than 5 years before the date of initiation of the project . . ."
- Allows nonprofit entities to serve as sponsors and calls for development of a monitoring program that incorporates State of Illinois data.

Senate – No Mention of Illinois River Basin

Appropriation – FY2006: House & Senate have $1,160K for comp. plan & feasibility. Will use payback funds for construction.

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Peoria Riverfront -- Islands

Authorization – WRDA 2005:

- **Both House and Senate versions address all authorization needs for construction of islands at a cost of $16M.**

Appropriation

- **Senate language provides funds to continue ($250K GI).**

Rock Island District Website: www.mvr.usace.army.mil